

# **WSDOT Project Update**

## **Recovery Act Projects and Future Construction Outlook**

**Jerry Lenzi**

Chief Engineer

Engineering & Regional Operations

**Paula J. Hammond, P.E.**

Secretary of Transportation

**David L. Dye**

Deputy Secretary

**DBE Support Services Meet and Greet  
October 30, 2009**



**Washington State  
Department of Transportation**

# ARRA Highway Project Status of 192 State and Local projects as of October 27, 2009

**59 projects completed (16 state and 43 local)**

**166 projects awarded or are under construction (30 state, 136 local)**

**169 projects advertised to date (31 state, 138 local)**



## **Fund Obligations:**

- Funds are now obligated for 176 of 192 individual projects (36 state, 140 local).
- WSDOT has obligated \$222.6 million (65%) of \$344.6 million.
- Local governments have obligated nearly 88 percent of local funds, \$133.6 million of \$152.1 million.

# ARRA Project Delivery



WSDOT is aggressively competing for additional recovery funds:

- \$1.5 billion in US Discretionary Grants for highway mega projects
- WSDOT applied for \$482 million in TIGER Grants
  - SR 520/Medina to SR 202 - \$300 million
  - Columbia River Crossing/SR 500 Interchange Completion – \$147 million
  - North Spokane Corridor/Francis Avenue to Farwell Road - \$35 million
- \$1.3 billion in funding for High Speed Passenger Rail from the Federal Rail Administration
  - WSDOT's top three projects are:
    - Kelso to Martin's Bluff - \$248 million
    - King Street Station – \$138 million
    - Point Defiance - \$125 million
  - Resolution for \$3.3 million in Annual Operating costs starting in 2011-2013.
- We will obligate all funds by February 28, 2010 and stand ready to get unobligated funds from other states.

# ARRA Contractor Bid Experience

WSDOT has experienced favorable bids from contractors which allowed for additional projects



## Competitive bidding environment

- Average number of bidders was 5
  - Increased number of proposal holders
  - Increased number of bids received
- Declining materials cost
- Lower fuel cost

As of October 27, WSDOT has awarded 31 state stimulus projects worth 165 million. Those projects have come in under the engineer's estimate by **23 percent**.

Allowed us to advance 20 (8 State & 12 Local) Tier 2 Projects.

# ARRA Reporting Requirements

## Transparency Assured Through:



- Two monthly reports to the Federal Highway Administration provide regular status and employment updates for all highway projects
- Monthly report to U.S. House Committee on Transportation and Infrastructure
- Weekly reports to the Governor and quarterly updates through Government Management Accountability & Performance (GMAP) report and session
- Periodic updates to state legislature on progress in delivering projects and spending funds
- New Requirement: Office of Management and Budget quarterly Sec. 1512 reporting requirement
  - o Cumulative report on project status, funds spent, project completion, and job creation.
  - o Available to public on October 30 at [FederalReporting.gov](http://FederalReporting.gov)
- All reports available at [www.wsdot.wa.gov/Funding/stimulus/Reporting.htm](http://www.wsdot.wa.gov/Funding/stimulus/Reporting.htm)

# ARRA Funds Supporting Jobs



- Employees have earned over \$18 million since March, logging nearly 500,000 hours with an average salary of \$37/hour. WSDOT reports state and local employment data on Recovery Act projects each month.
- In August, employees worked 250,000 hours and earned more than \$9.3 million on state and local Recovery Act highway projects.

| Grand Total (State + Local) | Mar-09   | Apr-09    | May-09      | Jun-09      | Jul-09      | Aug-09      | Total        |
|-----------------------------|----------|-----------|-------------|-------------|-------------|-------------|--------------|
| Total Employees             | 12       | 283       | 850         | 1,811       | 3,413       | 5,433       | X            |
| Total Hours                 | 1,864    | 11,278    | 28,708      | 57,698      | 144,308     | 252,125     | 495,981      |
| Total Payroll (\$)          | \$86,058 | \$504,224 | \$1,118,707 | \$2,188,794 | \$5,434,708 | \$9,330,938 | \$18,663,429 |
| FTE (job-months)            | 11       | 65        | 166         | 334         | 834         | 1,458       | 2867         |

# Small Business Outreach

- Support services for small businesses
  - WSDOT Office of Equal Opportunity
  - WSDOT Construction office
- E-mail notifications of upcoming contracting opportunities
- DBE Plan Center
- Online plan holders list (includes proposal holders list)
- Region Local Programs engineers

# Highway Project Delivery

## Highway Construction Summary

### WSDOT's Nickel & TPA Capital Project Delivery Overall **As of September 30, 2009**

|  |     |
|--|-----|
| Total Nickel and TPA Projects:           | 391 |
| Completed Projects:                      | 215 |
| Under Construction:                      | 64  |
| Going to Advertisement in next 6 months: | 30  |

309 out of 391 will be completed or under construction in the next six months.

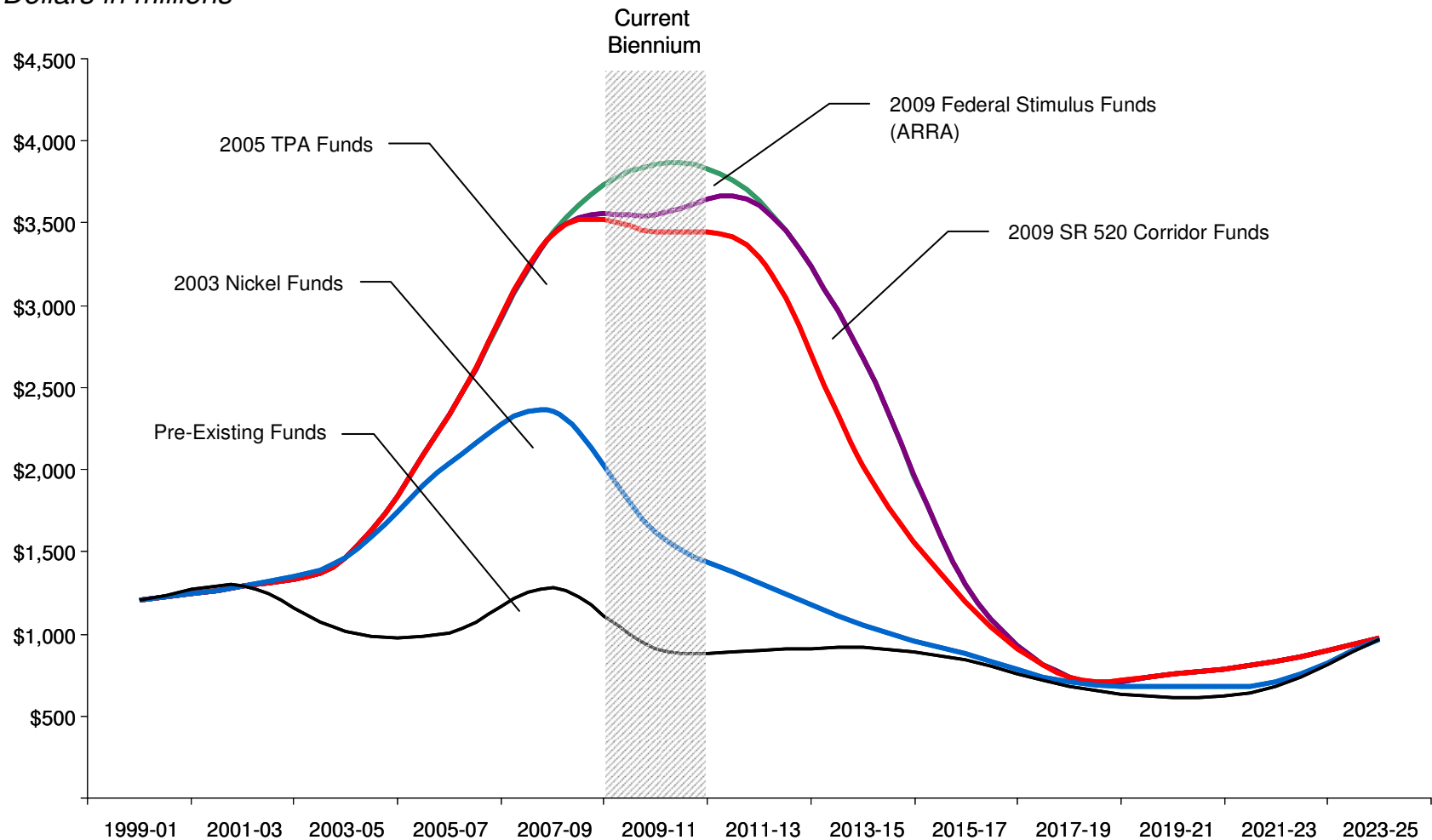


# The current biennium marks the largest highway construction program in the state's history

*Many Nickel and TPA projects have moved to the construction phase.*

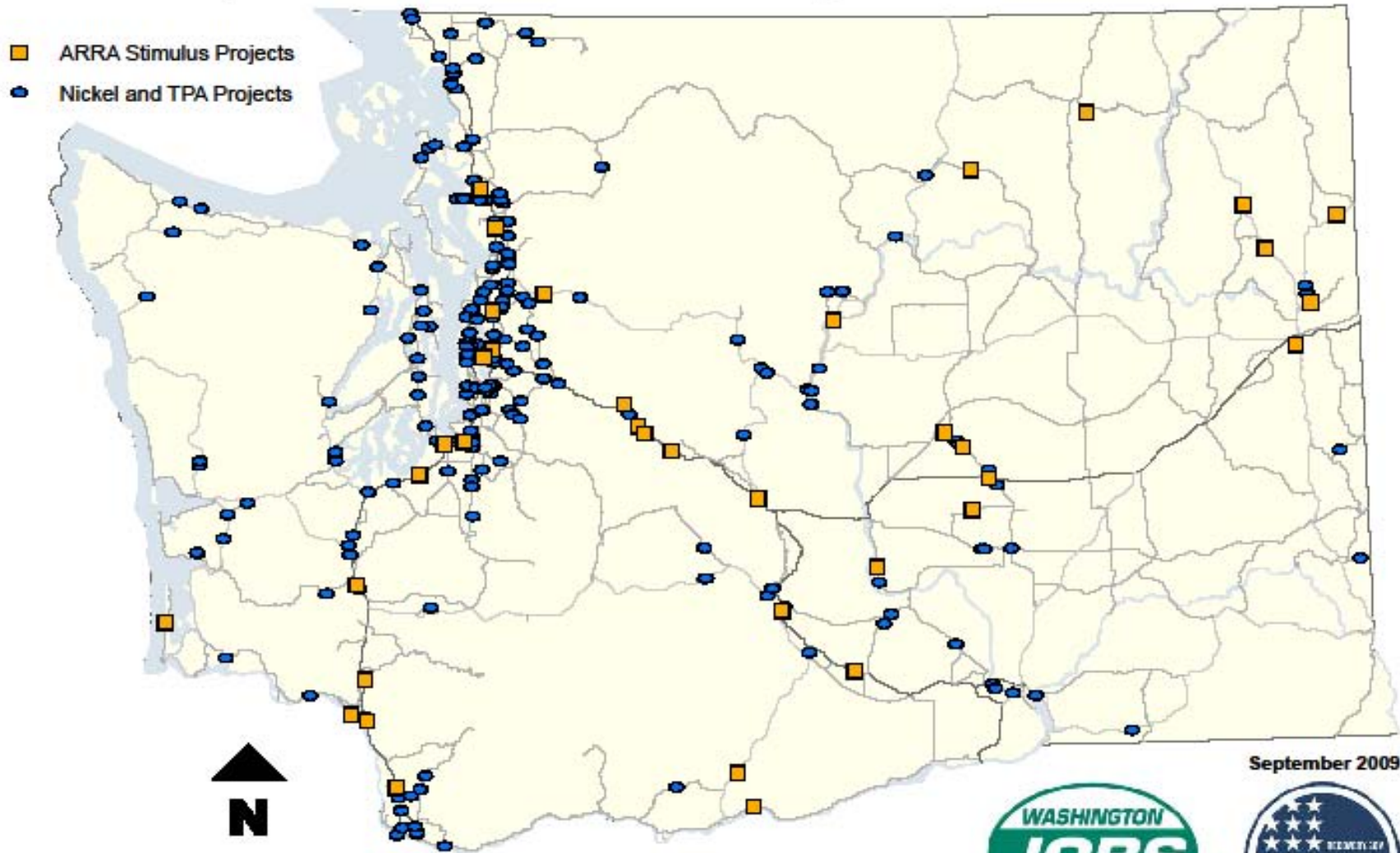
## Highway Construction Program

*Dollars in millions*



*Excludes expenditures for the Tacoma Narrows Bridge and expenditures in the Improvement Program reimbursed by Sound Transit*

# 09-11 Capital Construction Program



September 2009



Washington State  
Department of Transportation

# 2009-2011 Biennium WSDOT Construction Program



| Pavement Type                                | Lane Miles | Value*           |
|--|------------|------------------|
| Concrete                                     | 212        | \$95.9           |
| Hot Mix Asphalt (HMA)                        | 1927       | \$165.3          |
| Chip Seal (BST)                              | 2347       | \$48.6           |
| Safety                                       | 30         | \$8.3            |
| <u>Remaining 09-11 Construction Projects</u> |            | <u>\$2,637.9</u> |
| <b>Total Program</b>                         |            | <b>\$2,956.0</b> |

\*Dollars are represented in millions

# Advance Schedule of Projects WSDOT Construction Program

WSDOT publishes an advance schedule of construction projects on its website\* that provides details about projects that will be advertised in the next six months.

## Advance Schedule of Projects Summary

Projects Scheduled to be Advertised in the Next Six Months

| Project Type               | Total Value    | # of Projects |
|----------------------------|----------------|---------------|
| Bridge                     | \$529.3 M      | 9             |
| Major Construction         | \$402.5 M      | 22            |
| Resurface                  | \$133.9 M      | 21            |
| Safety                     | \$24.1 M       | 14            |
| Unique                     | \$63.6 M       | 6             |
| <b>Total 6 mo. Program</b> | <b>\$1.1 B</b> | <b>72</b>     |

\*The Advance Schedule of Projects is available on WSDOT's website under Contract Ad & Award in the Resources navigation bar

# Project Highlight:

## SR 520 Pontoon Construction Site Selection

- Three contractor firms were selected in August 2009 to submit proposals.
  - Grays Harbor Constructors Joint Venture
  - Kiewit-General (a joint venture)
  - Skanska, Mowat, Manson Joint Venture
- Contractor selection will be complete by December 31, 2009.
- Construction of pontoons at an existing pontoon construction site and new pontoon construction site in Grays Harbor is planned to begin in 2010. Pontoon construction at the new facility is scheduled to begin in 2012.
- Environmental Analysis is underway on two sites in Grays Harbor.
  - Anderson & Middleton Hoquiam Site
  - Aberdeen Log Yard Site
- Aberdeen Log Yard is the preferred site.
  - Lower development costs
  - Better Soil Conditions
  - Fewer schedule challenges





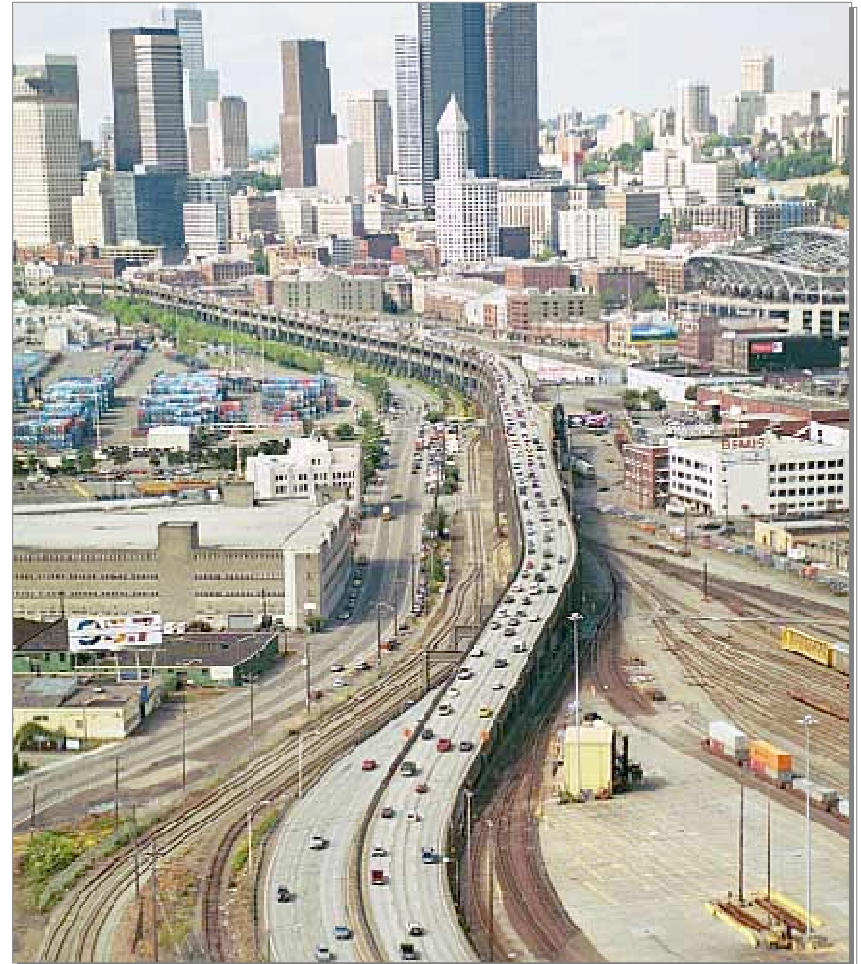
# Project Highlight:

## SR 99 Bored Tunnel: Strategic Technical Advisory Team (STAT)

- STAT Panel Services:
  - High-level advisory services to WSDOT.
  - Analysis, findings, conclusions, recommendations - areas of concern.
  - Additional expertise from resource experts list and specific task assistance requested by WSDOT on an as-needed basis.
  - STAT meets monthly + on-going advisory services as requested by WSDOT.

### Cost Estimate – Initial Budget

|  | Estimated Cost<br>(Millions) |
|--|------------------------------|
| Construction estimate (bored tunnel only)  | \$940                        |
| Construction management and administration | \$120                        |
| Preliminary and final design               | \$120                        |
| Risk                                       | \$420                        |
| Escalation (per Global Insight)            | \$170                        |
| Right of way costs                         | \$150                        |
| <b>TOTAL</b>                               | <b>\$1 920</b>               |



# Project Highlight:

## US 395/North Spokane Corridor

### Total Funding: \$577.4 million

- \$301.5 million – Nickel
- \$185.2 million – PEF
  - \$166.0 million – State
  - \$18.9 million – Federal
  - \$.3 million – Local
- \$90.7 million - TPA

### This project will:

- Construct a 60-mile per hour highway to move motorists and freight
- Provide a facility for balanced transportation including ridesharing options.



On August 22, 2009, the first drivable link between Francis/Freya and Farwell Road opened to traffic, a distance of approximately 3.7 miles. The total completed project will be 10.4 miles of highway.

# Project Highlight:

## I-90 Hyak to Keechelus Dam

### Total Funding:

- \$595 million – TPA

Construction began August 11, 2009 – one year ahead of schedule

### Safety

- Reduce the risk of avalanche and associated road closures

### Congestion Relief

- Increase capacity by 50% in each direction

### Environment

- Minimize impacts to the environment
- Improve ecological connectivity
- Increase the size and number of culverts



This project will improve approximately 5 miles of the I-90 corridor from milepost 55.1 to 59.9 increasing capacity by 50% in each direction, improving safety by stabilizing slopes and straightening sharp curves. Reducing the number of closures for avalanche work will increase the reliability of Snoqualmie Pass when the project opens to traffic in 2015.



# Questions?

For more information on upcoming projects visit  
WSDOT's Contract Ad & Award website at:

<http://www.wsdot.wa.gov/biz/contaa/>

# State Apprenticeship Requirements

**Craig McDaniel**  
Construction Administration  
Engineer

**Paula J. Hammond, P.E.**  
Secretary of Transportation

**Jerry Lenzi**  
Chief Engineer  
Engineering & Regional  
Operations

**DBE Support Services Meet and Greet**  
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# State Apprenticeship Requirements

State law requires all contracts estimated to cost \$2 million or more to contain a requirement that 15% of the total labor hours on the job be performed by apprentices.

The state requirement applies to many public works contracts:

- WSDOT
- GA
- Higher Education
- Local agencies



The apprentices must be enrolled in a program approved by the Washington State Apprenticeship and Training Council (WSATC)

# State Apprenticeship Requirements

- if you are awarded a contract estimated to cost \$2 million or more, the contract will contain the apprenticeship requirement.
- To comply with the requirement, you'll need to utilize apprenticeship programs approved by the Washington State Apprenticeship and Training Council.
- Fifteen percent of the total labor hours on the contract will be performed by apprentices.
- **The prime contractor is responsible for ensuring the overall goal is met.** The prime and subcontractors are both obligated to meet the goal. While both may utilize apprentices, the prime contractor is responsible for ensuring the goal is met and compiling plans and reports.
- In addition to a plan, prime contractors must submit a **monthly report accounting for all hours including subcontractors.**

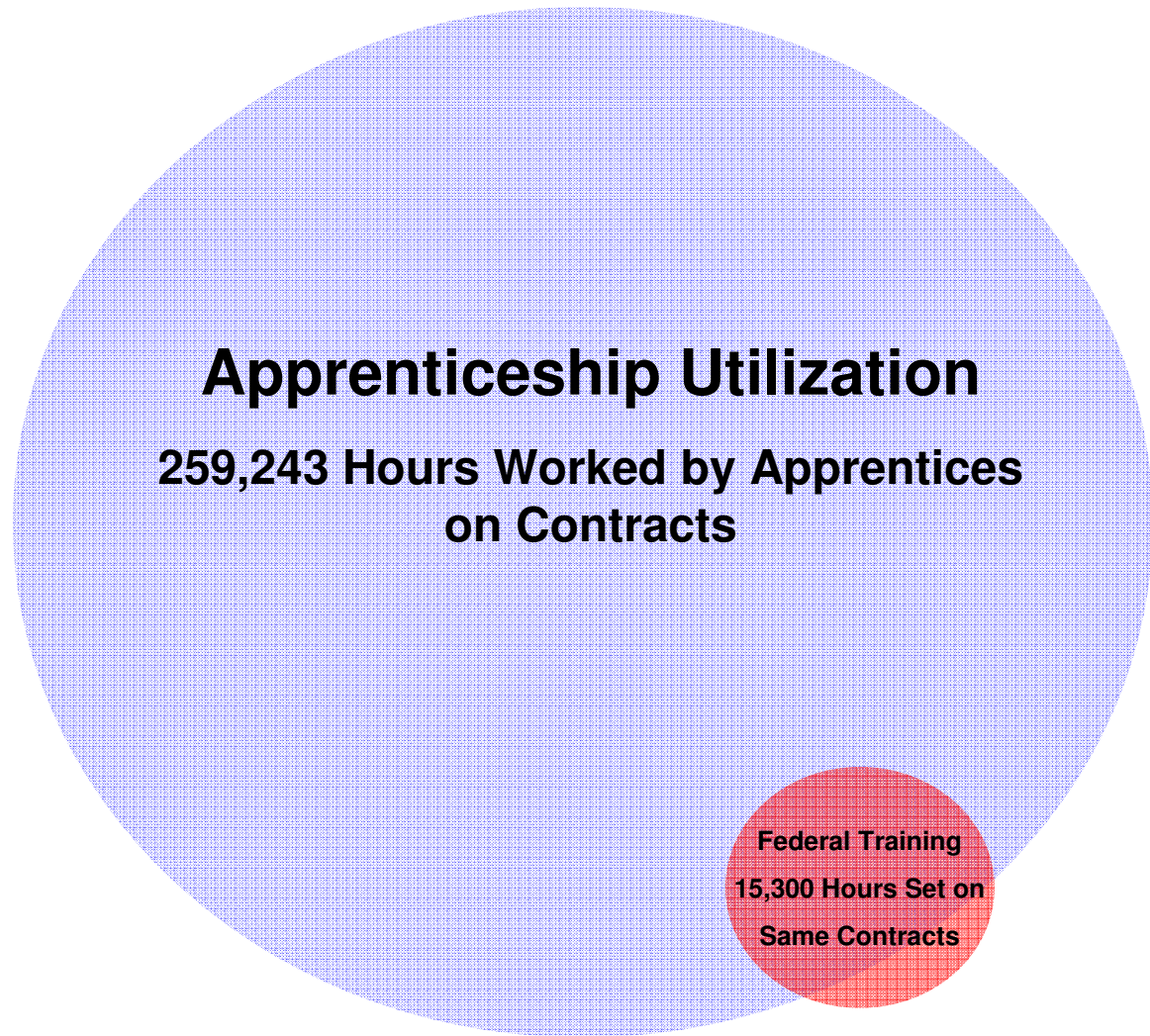
# How Big is the Program?



- By January 2010, WSDOT estimates 100 contracts will contain the apprentice requirement.
- About half of WSDOT contracts will contain the requirement.
- The program is bigger than the federal training program and you may have both requirements in the same contract.
- To accomplish the apprenticeship requirement you must utilize state approved apprenticeship programs.

# State Apprenticeship and Federal Training

- A WSDOT contract can have both State Apprenticeship Requirements and Federal Training Goals
- The same apprentice can meet both requirements if they are enrolled in a program approved by the Washington State Apprenticeship and Training Council and are a female or minority.

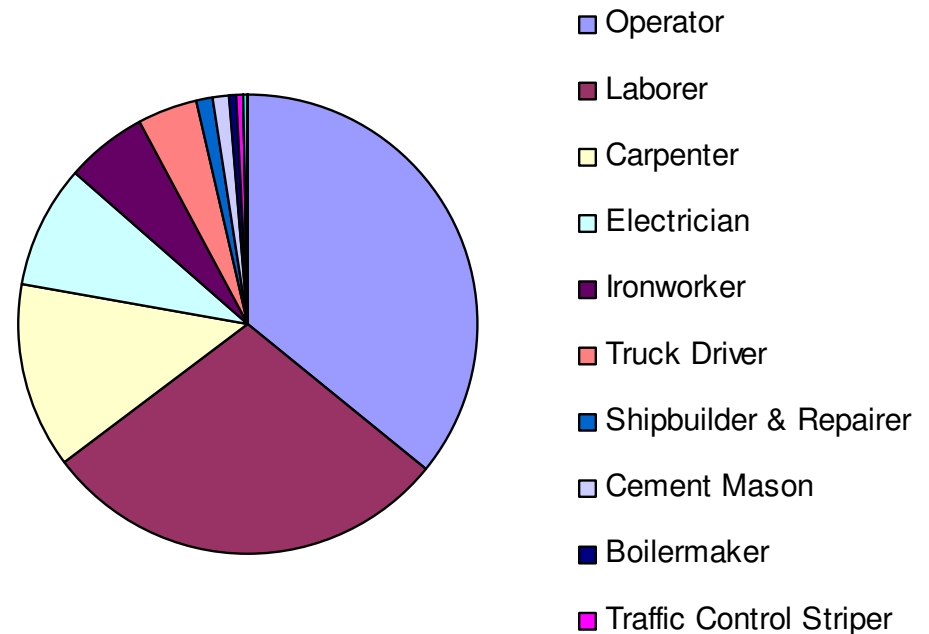


Data as of October 2009

# Apprenticed Occupations

| Trade                   | Apprentices Hours |
|-------------------------|-------------------|
| Operator                | 93,126            |
| Laborer                 | 74,625            |
| Carpenter               | 34,109            |
| Electrician             | 22,312            |
| Ironworker              | 14,943            |
| Truck Driver            | 10,669            |
| Shipbuilder/Repairer    | 3,263             |
| Cement Mason            | 2,612             |
| Boilermaker             | 1,607             |
| Traffic Control Striper | 1,070             |
| Painter                 | 533               |
| Plumber                 | 191               |
| Sheet Metal Worker      | 82                |
| Sprinkler Fitter        | 72                |
| Fire/Burglar Alarm Tech | 29                |
| <b>All Trades</b>       | <b>259,243</b>    |

## Apprentice Hours Worked by Occupation



**To date, 15 occupations have been used on WSDOT jobs.**

# Questions?

For information on how to comply with the requirement on WSDOT contracts visit:

<http://www.wsdot.wa.gov/biz/construction/Apprenticeship.cfm>

For information on how to find apprenticeship programs or start your own visit:

<http://www.lni.wa.gov/TradesLicensing/Apprenticeship/default.asp>